



# Replacement Sheet

Fig. 9

(A) DNA sequence: SEQ ID NO. 11

```
1  gtggcgagca  ggaaaaatgg  cgcccggtt  caaaactgtg  gaaccgctgg  agtattacag
61 gagatttctg  aaagaaaact  gccgtccaga  tggaagagaa  ctgggtgaat  tcagaaccac
121 aactgtcaac  ataggttcga  tcagtacagc  ggatggctct  gctctagtga  agctggggaa
181 caccacagtc  atttgtggag  ttaaagcaga  atttcagca  ccaccagtag  atgcccctga
241 tagaggatat  gtcgtcccta  atgtggacct  accaccgtg  tgttcacga  ggtttcggac
301 tggacctcct  ggagaagagg  ctcaagtaac  cagccagttc  attgcagatg  tcattgagaa
361 ctcacacata  attaagaaag  aggacttatg  catttctcca  gggaagcttg  cttgggttct
421 atactgtgac  cttatttgcc  tagactacga  tgggaacatt  ttggatgcct  gcacatttgc
481 tttgttagca  gctttaaaga  atgtacagtt  gcctgaagtt  actataaatg  aagaaactgc
541 ttttagcgaa  gtcaatttaa  agaagaaaag  ttatttgaat  gttagagcaa  acccagttgc
601 tacttcattt  gctgtgtttg  atgacacttt  gctgatagtc  gatcctaccg  gggaggaggg
661 gcacctgtc  cacaggaacc  ttaaccgtag  taatggacga  ggaaggcaag  ctgtgctgtc
721 ttcacaagcc  aggtgggagt  gggctgctgg  agctaaactt  caggactgca  tgagtcgagc
781 agtaacgaga  cacaaagaag  tgagcaaact  actggatgaa  gtaattcaga  gcatgaaaca
841 caaatgaaca  gacgccacga  ttgtaaaaca  gctgtaaaaa  ttgtatttgt  tacactgtgc
901 acaggccttt  tatactaaat  aaatacctaa  ttacattctt  tgaaaaaaaa  aaaaaaaaaa
961 aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaaaaa  aaaaaaa
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Start codon and stop codon are indicated by bold letters

(B) Protein sequence: SEQ ID NO. 12

MAAGFKTVEPLEYYRRFLKENCPRPDGRELGEFRITTTVNIGSISTADGSALVKLGNTTVICGVKAFAAP  
PVDAPDRGYVVPNVDLPLPLCSSRFRTGPPGEEAQVTSQFIADVIENSHIIKKEDLCISPGKLAWVLYCDL  
ICLDYDGNILDACTFALLAALKNVQLPEVTINEETALAEVNLKKKSYLNVRANPVATSFVFDITLLIV  
DPTGEEGHPVHRNLNRSNGRGRQAVLSSQARWEWAAGAKLQDCMSRAVTRHKEVSKLLDEVIQSM  
KHK

# Replacement Sheet

Fig.9 contd.

(c) open reading frame: SEQ ID NO:13

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1 gtggcgagcaggaaaa
17 atggcgggccgggttcaaaactgtggaaccgctggagtattacagg
  M A A G F K T V E P L E Y Y R
62 agatttctgaaagaaaactgccgtccagatggaagagaacttgggt
  R F L K E N C R P D G R E L G
107 gaattcagaaccacaactgtcaacatagggttcgatcagtacagcg
  E F R T T T V N I G S I S T A
152 gatggctctgctctagtgaagctggggaacaccacagtcatttgt
  D G S A L V K L G N T T V I C
197 ggagttaaagcagaatttgcagcaccaccagtagatgccctgat
  G V K A E F A A P P V D A P D
242 agaggatatgtcgtccctaattgtggacctaccaccgctgtgttca
  R G Y V V P N V D L P P L C S
287 tcgaggtttcggactggacctcctggagaagaggctcaagtaacc
  S R F R T G P P G E E A Q V T
332 agccagttcattgcagatgtcattgagaactcacacataattaag
  S Q F I A D V I E N S H I I K
377 aaagaggacttatgcatttctccagggaaagcttgcttgggttcta
  K E D L C I S P G K L A W V L
422 tactgtgaccttatttgcctagactacgatgggaacattttggat
  Y C D L I C L D Y D G N I L D
467 gcctgcacatttgctttgtagcagctttaagaatgtacagttg
  A C T F A L L A A L K N V Q L
512 cctgaagttactataaatgaagaaactgcttttagcggaagtcaat
  P E V T I N E E T A L A E V N
557 ttaaagaagaaaagttatttgaatgtagagcaaaccagttgct
  L K K K S Y L N V R A N P V A
602 acttcatttgctgtgtttgatgacactttgctgatagtcgacct
  T S F A V F D D T L L I V D P
647 accggggaggaggggcaccctgtccacaggaaccttaaccgtagt
  T G E E G H P V H R N L N R S
692 aatggacgaggaaggcaagctgtgctgtcttcacaagccaggtgg
  N G R G R Q A V L S S Q A R W
737 gagtgggctgctggagctaaacttcaggactgcatgagtcgagca
  E W A A G A K L Q D C M S R A
782 gtaacgagacacaaagaagtgaacaaactactggatgaagtaatt
  V T R H K E V S K L L D E V I
827 cagagcatgaaacacaaatgaacagacgccacgattgtaaaacag
  Q S M K H K *

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## Replacement Sheet

**Fig. 9(C)contd.**

[illegible]